

IN THE CLAIMS

The following is a complete listing of claims with a status identifier in parenthesis.

LISTING OF CLAIMS

1. (Currently Amended) A method for transmitting information in a communication channel of a wireless communication system, the method comprising:
dividing the communication channel into a plurality of time slots of equal duration;
sub-dividing, on other than a time division basis, each of the plurality of time slots to comprise two or more sub-slots, and
transmitting at least one transmission, among a number of transmissions, that comprises two or more a number of contiguous sub-slots associated with at least two time slots, where the number of subslots included in the transmission from each timeslot may vary from timeslot to timeslot to form a separate transmission; and
transmitting a separate control channel for each ~~separate~~ transmission,
wherein the duration of the separate control channel is dependent upon the number of transmitted sub-slots.
2. (Previously Presented) The method according to claim 1, wherein each of the two or more contiguous sub-slots is separately transmitted according to a code division multiple access scheme.
3. (Original) The method according to claim 2 wherein, in any one of the plurality of time slots, each of a plurality of transmissions are separately coded and carried in a separate sub-slot simultaneously in such time slot.
4. (Original) The method according to claim 3 wherein each of the plurality of transmissions correspond to a separate user of the wireless communication system.
5. (Original) The method according to claim 3, wherein each of the plurality of transmissions correspond to separate transmissions of a single user of the wireless communication system.

6. (Original) The method according to claim 1, wherein each of the two or more sub-slots within a particular time slot corresponds to a different frequency according to a frequency division multiple access scheme.

7. (Cancelled)

8. (Original) The method according to claim 1, wherein the communication channel comprises time slots each having a duration of 1.25 milliseconds and wherein each of the time slots comprises at least two sub-slots.

9. (Cancelled)

10. (Cancelled)

11. (Original) The method according to claim 1 ~~9~~, wherein the communication channel is a forward packet data channel (F-PDCH), wherein information is transmitted as encoder packets in the forward packet data channel (F-PDCH), and wherein the separate control channel is a forward secondary packet data control channel (SPDCCH).

12. (Original) The method according to claim 11, wherein the forward secondary packet data control channel (SPDCCH) includes:

a sub-slot start field for identifying a sub-slot within a time slot in which a particular transmission starts; and

a sub-slot count field for identifying the total number of sub-slots that carry the particular transmission.

13. (Original) The method according to claim 11, wherein a plurality of forward secondary packet data control channels (SPDCCH) correspond to a plurality of simultaneous transmissions on the forward packet data channel (F-PDCH), and wherein each of the plurality of secondary packet data control channels (SPDCCH) identifies a sub-slot start position within a time slot in which a particular transmission starts.

14. (Currently Amended) A method for transmitting information in a communication channel of a wireless communication system, the method comprising:

dividing the communication channel into a plurality of time slots of equal duration according to a time division multiple access scheme;

sub-dividing each of the plurality of time slots to comprise two or more sub-slots according to a code division multiple access scheme;

transmitting at least one transmission, among a number of transmissions, that comprises two or more a number of contiguous sub-slots associated with at least two time slots, where the number of subslots included in the transmission from each timeslot may vary from timeslot to timeslot to form a separate transmission; and

transmitting a separate control channel for each ~~separate~~ transmission,

wherein the duration of the separate control channel is dependent upon the number of transmitted sub-slots.

15. (Cancelled)

16. (Cancelled)

17. (Previously Presented) The method according to claim 1, wherein bandwidth in the communication channel is allocated on a fractional basis to carry a plurality of transmissions using a combination of a variable number of contiguous sub-slots and a variable number of contiguous time slots.

18. (Previously Presented) The method according to claim 1, wherein transmissions within the communication channel include two or more transmissions selected